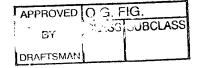


FIG. 1



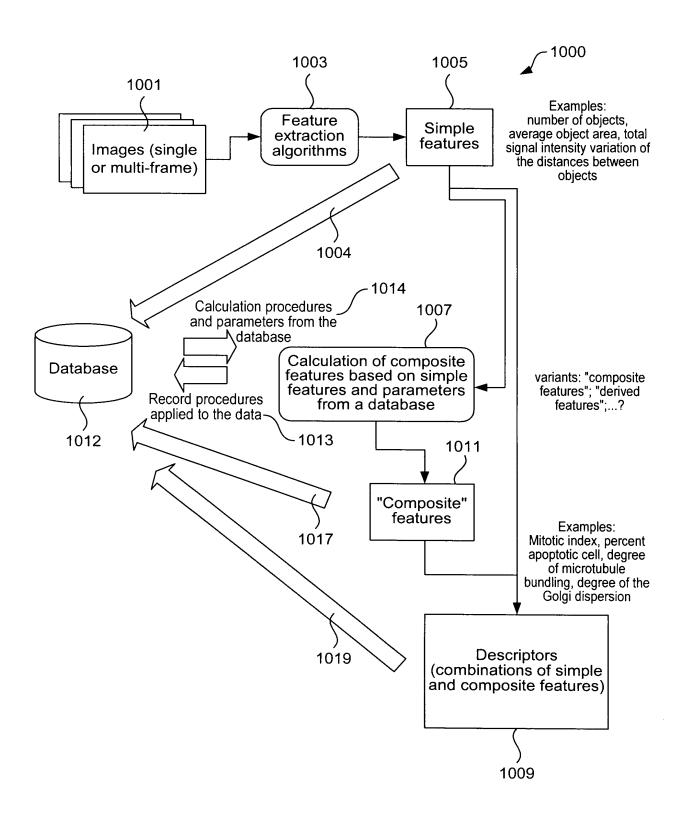


FIG. 1A

| APPROVED | O.G. F | IG. |
|-----------|--------|----------------|
| - BY | 353 | UBCLASS |
| DRAFTSMAN | | |

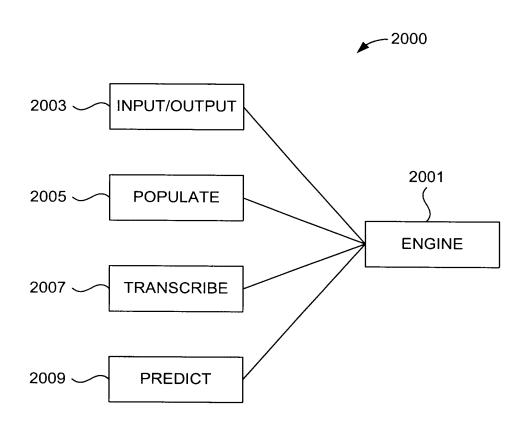
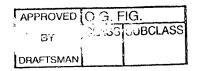


FIG. 1B



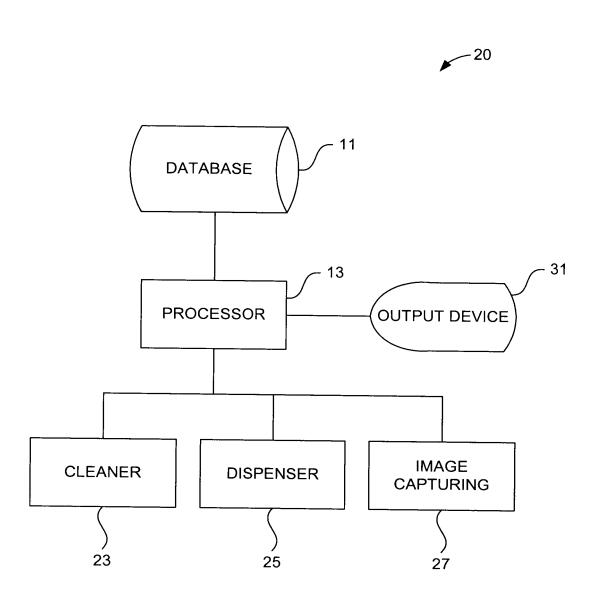


FIG. 2

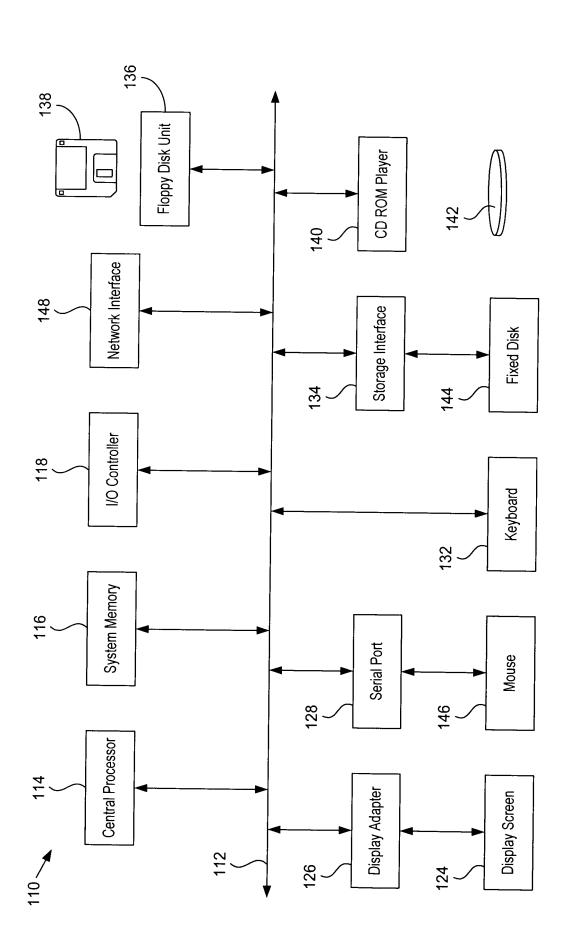
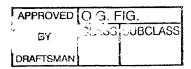


FIG. 3



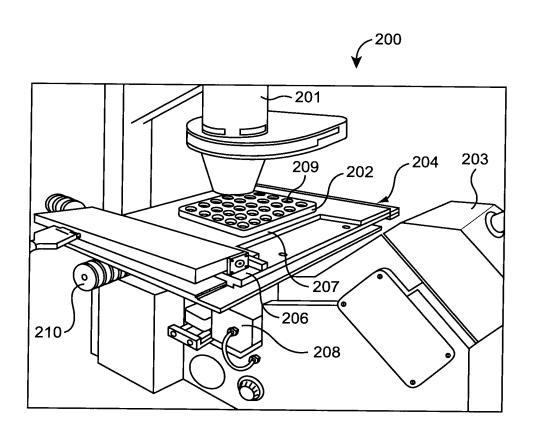


FIG. 4

| APPROVED | | |
|-----------|-------|---------|
| RY | 21.53 | JBCLASS |
| Ο, | | |
| DRAFTSMAN | | |

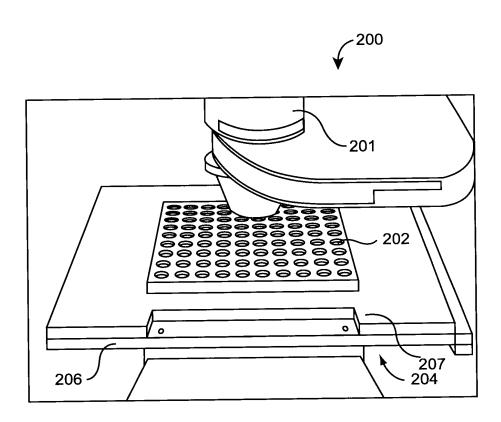
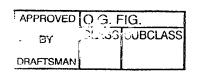


FIG. 5



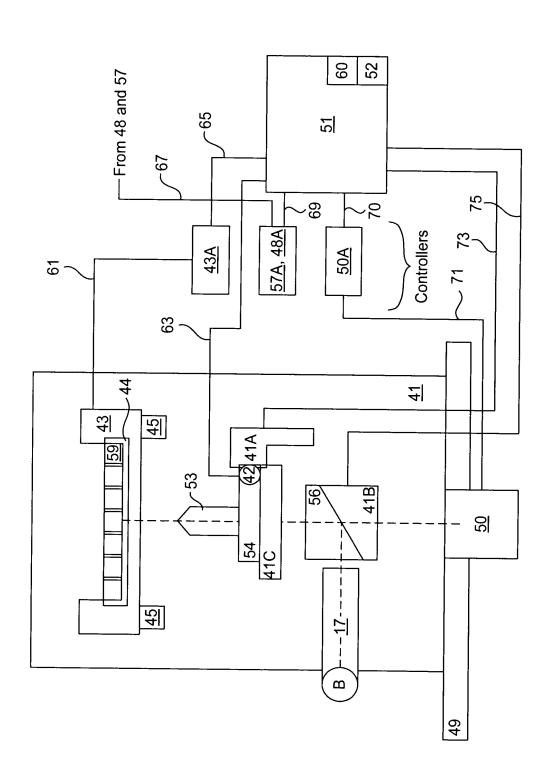
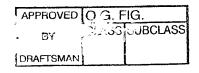


FIG. 5A



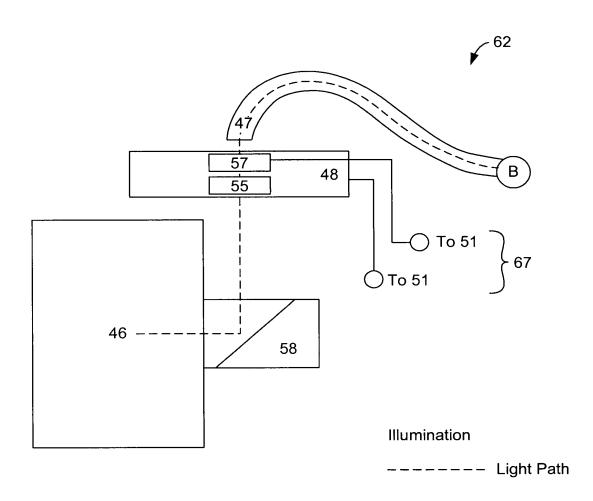
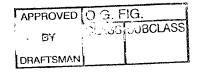


FIG. 5B



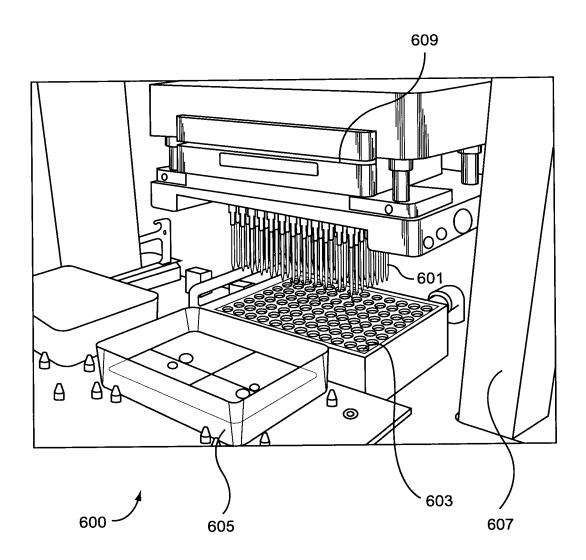


FIG. 6

APPROVED O G. FIG.
BY 32.00 OUBCLASS
DRAFTSMAN

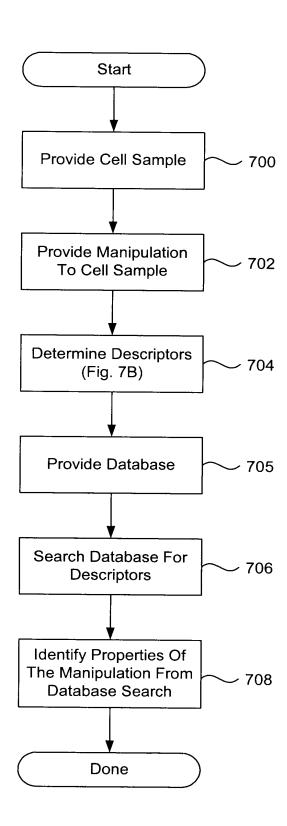


FIG. 7A

| APPROVED | CG.F | IG. |
|-----------|-------|---------|
| , BY | 72.58 | UBCLASS |
| DRAFTSMAN | | |

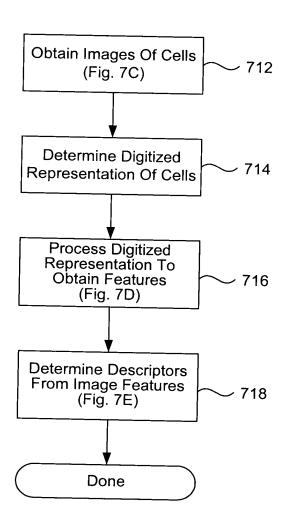
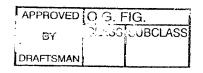


FIG. 7B Step 704 of Fig. 7A



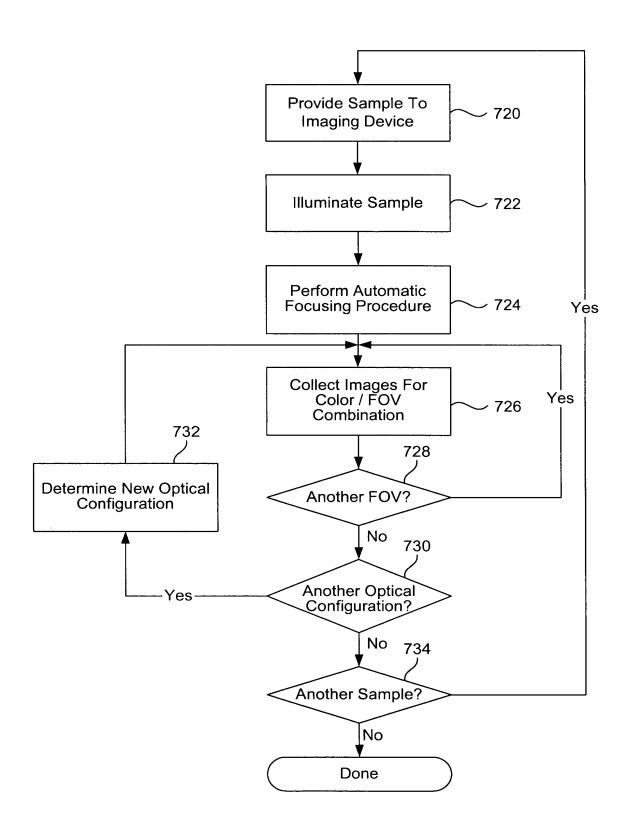


FIG. 7C Step 714 of Fig. 7B

| APPROVED | OG. F | IG. |
|-----------|-------|----------|
| ; By | /2/53 | SUBCLASS |
| DRAFTSMAN | · | |

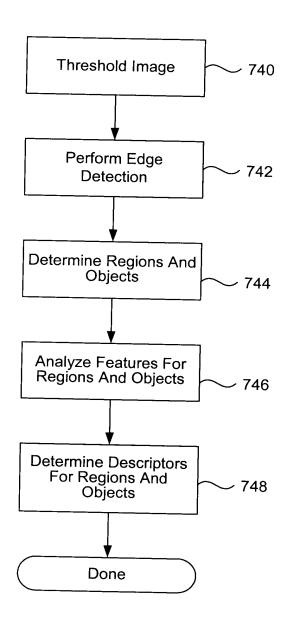


FIG. 7D Step 716 of Fig. 7B

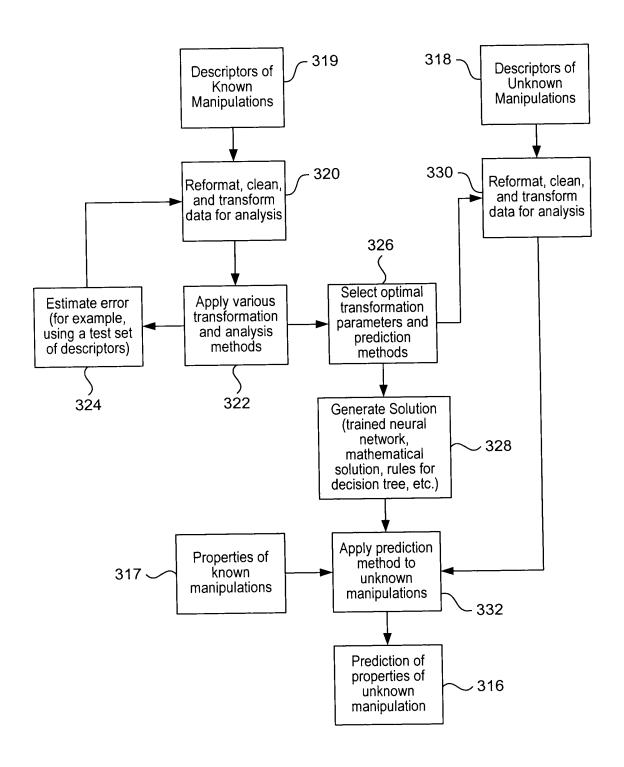


FIG. 7E

APPROVED O G. FIG.
BY SEASO GUBCLASS
DRAFTSMAN

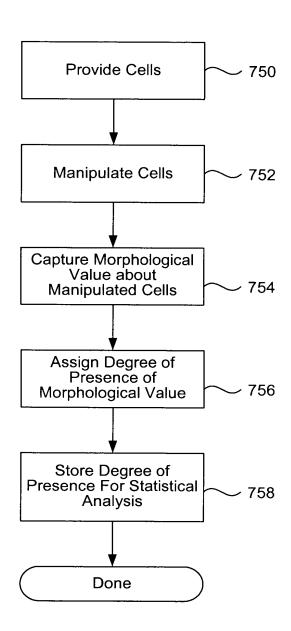


FIG. 7F

| APPROVED | QG.F | IG. |
|-----------|---------|----------|
| BY | ไปเรื่อ | SUBCLASS |
| DRAFTSMAN | | |

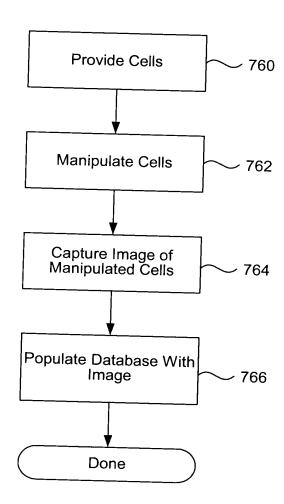
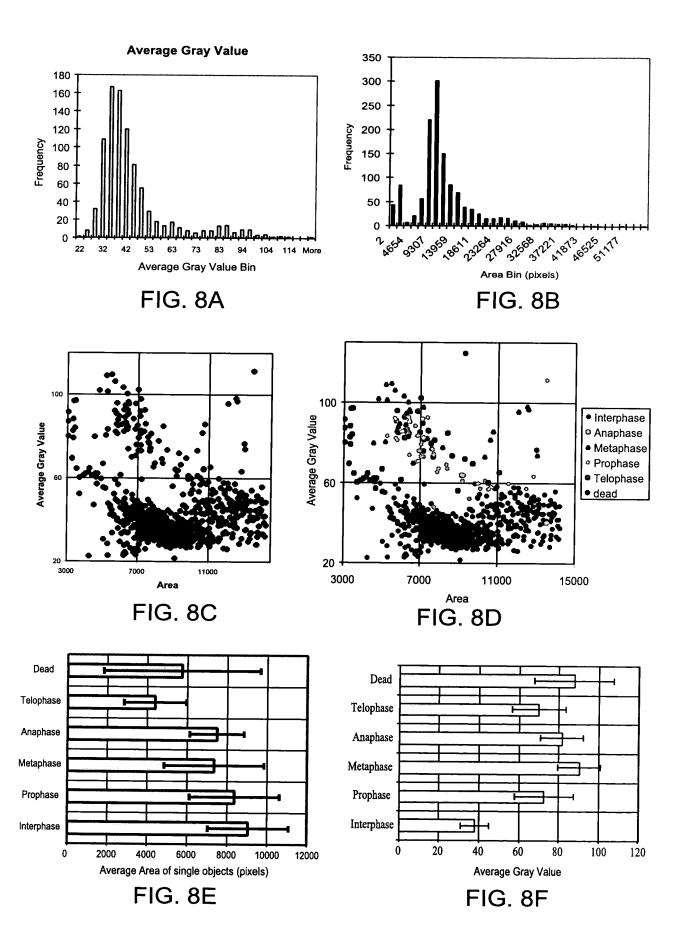


FIG. 7G



| APPROVED | OG.F | IG. |
|-----------|----------|----------------|
| , BA |) iL 135 | UBCLASS |
| DRAFTSMAN | | |

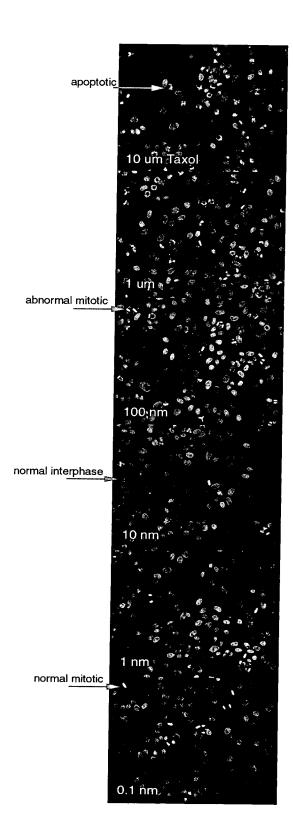
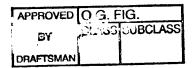


FIG. 9



MDCK cells treated with Taxol for 4.5 hours

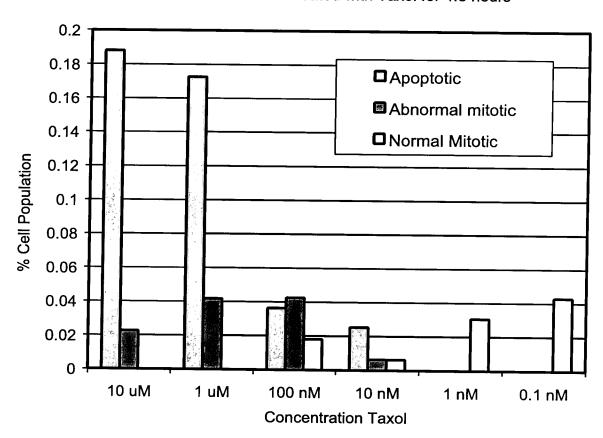


FIG. 10

| APPROVED | Q G. F | IG. |
|-----------|--------|----------|
| BY | ી. ડઉ | SUBCLASS |
| DRAFTSMAN | i | |

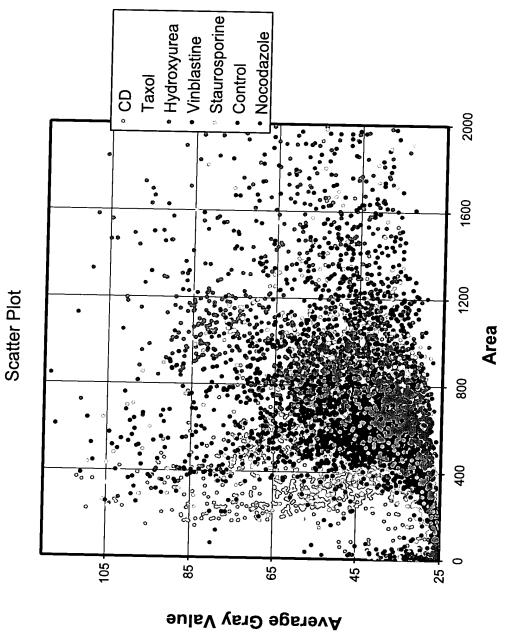


FIG. 11

APPROVED O G. FIG.

BY DOS SUBCLASS

DRAFTSMAN

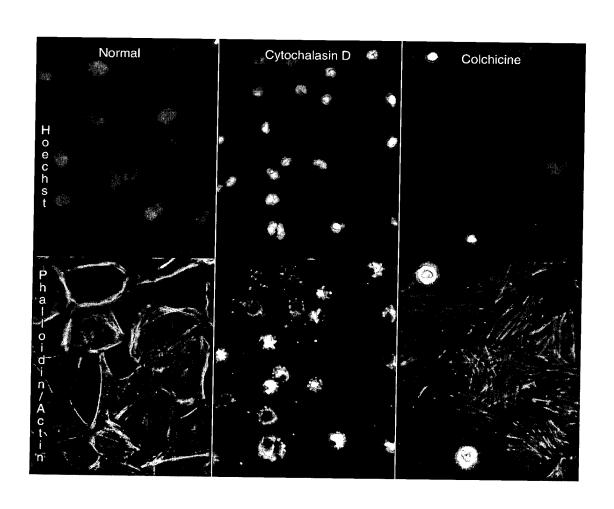
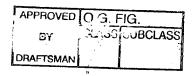


FIG. 12



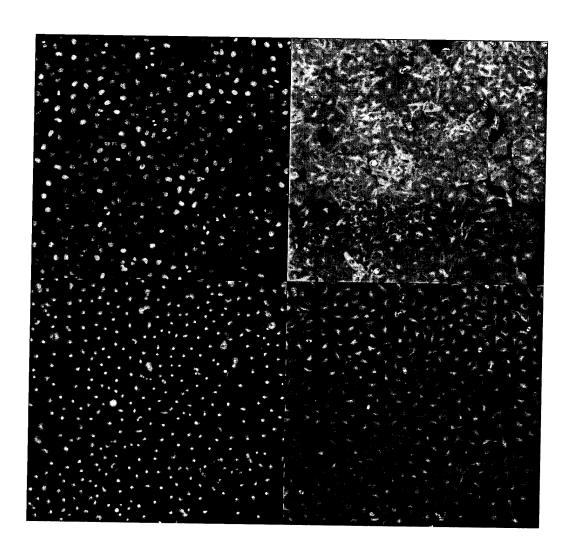


FIG. 13

APPROVED O G. FIG.

BY DESCRIPTION OF THE PROVED OF T

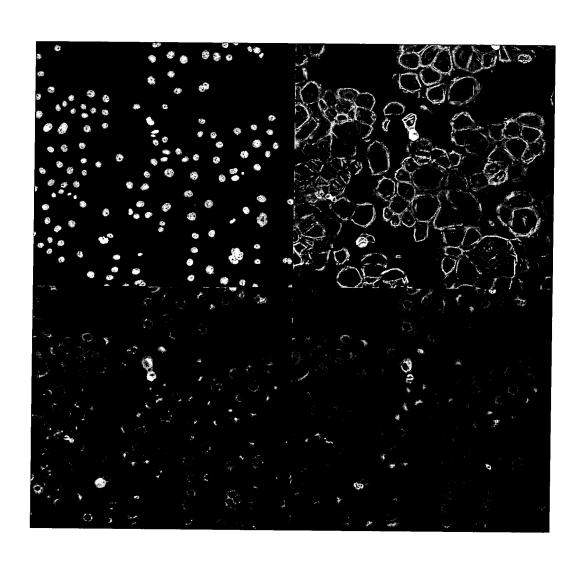


FIG. 14

| APPROVED | OG. F | IG. |
|-----------|-------|----------|
| BY | 12/63 | JUBCLASS |
| DRAFTSMAN | | |

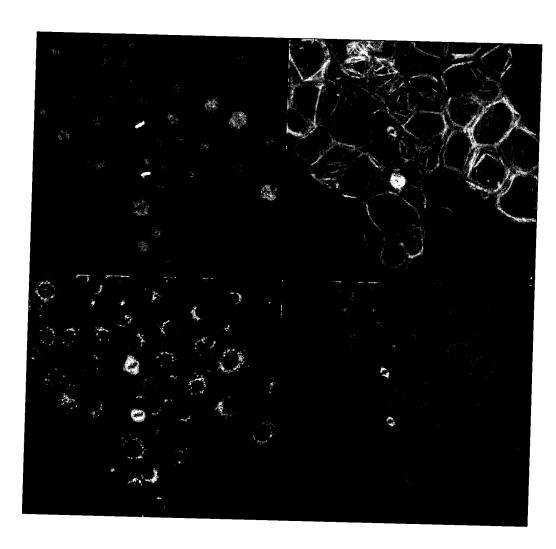


FIG. 15

APPROVED O G. FIG.

BY 1/33 JUBCLASS

DRAFTSMAN

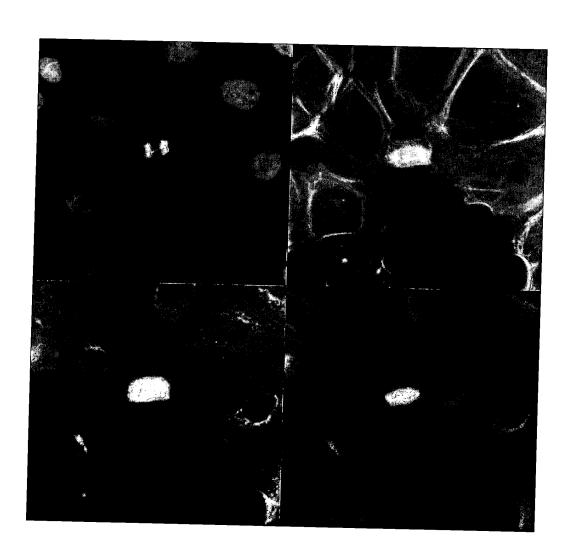


FIG. 16

| APPROVED | OG. F | IG. |
|-----------|-------|----------------|
| BY | 333 | UBCLASS |
| DRAFTSMAN | | |

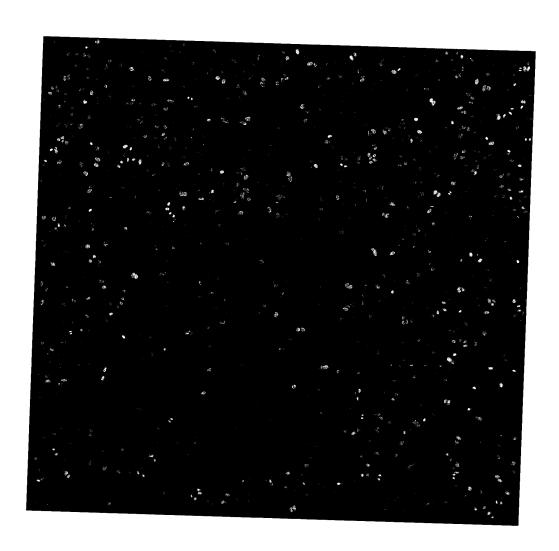


FIG. 17

| Γ, | PPRO\ | /ED | O G. F | IG. |
|----|--------|-----|--------|----------|
| | BY | · r | 24.53 | SUBCLASS |
| D | RAFTSN | MAN | | |

Conversion of morphometric parameters into nucleic acid code and clustering of the resulting sequences using Neighbor Joining method.

| | Т | 7 | _ | Т | _ | _ | 7 | M | as | ure | em | en | ts | _ | _ | | _ | | | | | | | |
|----------------------|-------|---------|-----------|----------|----------|--------------|---------------|----|----|-----|----------|----------|----------------|------------------|----------|----------------|----------------------------|--------------|------------------|-----------------|-------------------|------------|--------------------------|----------------------------|
| Compound: | Count | Area | Perimeter | Length | Breadth | Fiber length | 4 | | | | | | | Equiv sphere vol | prolate | oblate \ | Equiv. sphere surface area | e drav value | Total gray value | Optical density | Radial dispersion | Difference | FFA Harmonic 2 Somi Main | EFA Harmonic 2, Semi-Minor |
| Control | t | t | t | t | t | t | t | t | t | ŀ | lt | 1 | - | 1 | ╁ | .− | | - | - | ŀ | I. | ╄╌ | H | |
| Taxol | а | t | t | t | f | t | j- | ļ. | a | t | t | ╠ | ╠ | ŀ | ╠ | Ŀ | - | Ŀ | Ι. | ĮĮ. | ļt. | a | <u> t</u> | t |
| CD | С | a | la | a | t | a | t | t | | | _ | ۲ | Ľ | Ľ | t | t_ | ι_ | <u> </u> | ľ | ľ | ļt_ | Įt_ | <u>t</u> | 山 |
| Nocodozol | c | t | t | Ť | t | + | t | - | C | a | a t | a | <u>a</u> | <u>a</u> | a | а | а | t_ | a | <u>a</u> | a | t_ | a | g |
| Staurosporine | g | g | c | a | a | t | $\overline{}$ | ۲ | - | t | ⊬ | 凸 | Ľ | <u> </u> | <u>t</u> | t | t_ | t | t_ | t_ | t | t | t | t |
| \ /:= - - - - | C | ታ_ ተ | 1 | <u>a</u> | а + | - | a | a | 뉘 | g | <u>a</u> | <u>a</u> | a | t | g | g | g | а | а | t | a | t | а | a |
| I ly columnia | | t | + | - | \vdash | _ | - | | - | Н | | <u>t</u> | t | t | t | t | <u>t</u> | t | g | t | t | t | t | t |
| y = . exyurea | 9 | | | | | t | <u> </u> | g | | t | ţ | t | t | t_ | t | t | t | t | t | С | t | а | t | t |

| | CD Staurosporin |
|-------------------------------------|--------------------|
| Control Nocodazole Vinblastin Taxol | Hydroxyurea |

FIG. 18

Conversion of morphometric parameters into amino acid codes and clustering of the resulting sequences using Neighbor Joining method.

EFA Harmonic 2, Semi-Major Axis EFA Harmonic 2, Semi-Minor Ax EFA Harmonic 2, Semi-Major A Equiv. sphere surface are Texture Difference Momei Average gray value Equiv. sphere vol. Equiv. prolate vol. Radial dispersion Equiv. oblate vol. Total gray value Ell. form factor Optical density Fiber breadth Equiv. radius Shape factor Outer radius → Mean radius Fiber length Control S D S С С Р Ρ С G Taxol ΜP H G SM С F Р F CD G М GMK Α GGG G G G G G Н G G Nocodozol Τ R SMMMF М Staurosporine N G GMGGY VGGGM G W W M W W C W D S M W W M M M W M V Vinblastine E M M

